

# SeaQuest AEM

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# Status

- Beam pipe
  - Vacuum of the beam pipe:
    - waiting for approval
  - Installation of Cherenkov counter for beam intensity
  - Hopefully tomorrow for both?
- LH2 and LD2 targets cool-down tested. Final cool down in Tuesday, tomorrow.

- St. 1 installation
  - Cabling continues, should be done today
  - Survey has been done once but need them to come back to do the hodoscope which are moved, and again on the chamber after its position is fine tuned.
  - Flowing flammable gas (Ar + isobutane + CF<sub>4</sub>)
  - Gain test today



- St. 2 and 3 flowing P8(Ar + Methane) + CF<sub>4</sub> ready for data
- Hodoscopes checked
- Muon station checked
- DAQ needs more work to integrate St. 1
- Triggers need update when we have updated alignment; then tuned with beam.

# Physics

- Getting preview results ready for DNP
  - anti-d / anti-u ratio
  - quark energy loss
  - ...
- Release meeting tomorrow (Tue. Oct. 20)